

CLAIMS

1. A control valve (12) comprising a valve housing (13) having two inflow openings (6, 7) and one outflow opening (8), in whose inner chamber (14), which is filled with a pressurized medium, is displaceably arranged a switching means (20, 32) between two switching positions, while the switching means (20, 32) opens respectively one of the inflow openings of the valve housing (13) and respectively closes the other inflow opening in both switching positions, wherein the switching means (20, 32) has two separate sealing means (17, 18; 24, 25), which are movably arranged along respectively allocated circular arc sections approximately coaxially to the inflow openings (6, 7) in order to open and close the two openings (6, 7) in the valve housing (13).
2. The control valve of claim 1, wherein the switching means (20, 32) is displaceably arranged in the inner chamber (14) of the valve housing (13) around an axis of rotation or a tilting axis (30).
3. The control valve of claim 1 or 2, wherein the two separate sealing means (17, 18; 24, 25) of the switching means (20, 32) are connected to each other via a connecting piece (15, 23).
4. The control valve of at least one of the claims 1 to 3, wherein the sealing means (20, 32) is configured in the shape of a sphere or flap.

5. The control valve of at least one of the preceding claims, wherein the switching means (20, 32) comprises two shaft ends (21, 22) that extend radially away from the connecting piece (15, 23), which are mounting in receiving openings, preferably blind holes, of the valve housing (13).

6. The control valve of claim 5, wherein two switching balls (17, 18) or switching flaps (24, 25) that extend radially away from the connecting piece (23) are arranged essentially perpendicular to the axis of rotation (30) of the shaft ends (21, 22).

7. The control valve of claim 6, wherein the switching flaps (24, 25) have at least two upper sealing surfaces (26, 27), which are aligned essentially perpendicular to the axis of rotation (30) as well as essentially perpendicular to the longitudinal axis (31) of the switching means (32).

8. The control valve of claim 7, wherein lower sealing surfaces (28, 29) are configured opposite the upper sealing surfaces (26, 27).

9. The control valve of at least one of the preceding claims, configured as an "OR-valve," with which can be adjusted a first or a second switching position.

10. The control valve of at least one of the preceding claims, being an integral part of a hydraulic or pneumatic control device.

11. The control valve of claim 10, being an integral part of a hydraulic or pneumatic gear control device, integrated especially in a valve gate housing of an automatic transmission.

12. The control valve of at least one of the above claims, being an injection-molded part made of metal or plastic.